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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,050	12/12/2003	Benjamin Atkin	51291/JEJ/D359	2484
23363	7590	02/23/2006	EXAMINER	
CHRISTIE, PARKER & HALE, LLP PO BOX 7068 PASADENA, CA 91109-7068			WILSON, JOHN J	
			ART UNIT	PAPER NUMBER
			3732	
DATE MAILED: 02/23/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/735,050

Applicant(s)

ATKIN ET AL.

Examiner

John J. Wilson

Art Unit

3732

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 12/12/03 7/20/04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 23 is rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. A “connecting body disposed between and attached to the tip and the transformer” has not been enabled by the specification because this language cannot be found in the specification, and it is not clear what is being referred to.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claim 15 is rejected under 35 U.S.C. 102(e) as being anticipated by Rahman et al (6716028). Rahman shows a body 12a rotatably receiving a transducer 14a or 20a, rotator head 14c, 20c, and means 14, 24 fixedly coupled to the rotator head and rotatably coupled to the body.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-4, 13-19 and 21-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rahman et al (6716028) in view of Novak (6012922). Rahman shows a transducer 14a, body 12a rotatably receiving the transducer, rotator head 14c engaging the transducer for rotation thereof and coupling means as shown in the figures. The shown coupling means of Rahman is not in the form of a ring. Novak teaches a rotatably connected rotator head 14 on body 15 and shows using a retainer ring 18, Figs. 2 and 5, to enable the relative rotation. It would be obvious to one of ordinary skill in the art to modify Rahman to include using a ring coupling means as shown by Novak in order to make use of known alternatives in the art for allowing elements to rotate with respect to each other. As to claim 2, to use a metal ring is an obvious matter of choice in known materials used of coupling rings to the skilled artisan. As to claims 3 and 4, see grooves 24 and 26 of Rahman. As to claims 13 and 14, see column 1, line 33, of Rahman. As to claim 17, see coil, column 2, line 45 of Rahman. As to claim 18, see electric and fluid source, column 1, lines 25-30, of Rahman. As to claims 21 and 22, see nickel plates, column 1, line 42, of Rahman.

Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rahman et al (6716028) in view of Novak (6012922) as applied to claim 1 above, and further in view of Coss et al (5655906). The above combination does not show using a plurality of grooves, claim

Art Unit: 3732

5, and slots, claim 6. Coss shows a plurality of grooves and slots as shown on the body 10 in Fig. 1. It would be obvious to one of ordinary skill in the art to modify the above combination to include grooves and slots as shown by Coss in order to improve the grip. That these structures may be used to mount a lock and hand grip is merely intended use, all the actual structure being shown, the intended use with inferentially claimed elements is not given patentable weight.

Claims 7-10 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rahman et al (6716028) in view of Novak (6012922) as applied to claim 1 above, and further in view of Carmona et al (3654502). As to claim 7, Rahman teaches use of a coil is known, however, does not specifically show a coil in the embodiments, and as to claim 8, does not show a coil mounted on a bobbin, and as to claim 9, does not show a sealing O-ring, and as to claim 10, does not show a cavity through the bobbin for fluid. Carmona teaches a coil 36, bobbin 16, O-ring 30 and fluid 66 within the bobbin. It would be obvious to one of ordinary skill in the art to modify the above combination to include the structures shown by Carmona in order to make use of known ways in the art to better mount a coil and provide fluid flow.

Claims 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rahman et al (6716028) in view of Novak (6012922) and Carmona et al (3654502) as applied to claim 8 above, and further in view of Paschke et al (5395240). The above combination does not show a connection member that uses a connection plug pin. Paschke teaches using a plug pin, Figs. 1-3 and elements 27-29 in Fig. 5. It would be obvious to one of ordinary skill in the art to

Art Unit: 3732

modify the above combination to include a coupling including pin connectors as shown by Paschke in order to releasably connect the hand tool to electric and fluid sources.

### ***Drawings***

The drawings filed December 12, 2003 have been found to be acceptable by the examiner.

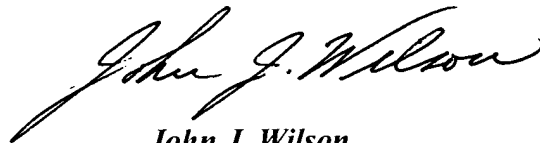
### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John J. Wilson whose telephone number is 571-272-4722). The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin P. Shaver, can be reached at 571-272-4720). The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3732

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**John J. Wilson**  
**Primary Examiner**  
**Art Unit 3732**

jjw  
February 10, 2006